TRW(VSSIM)4719CIP

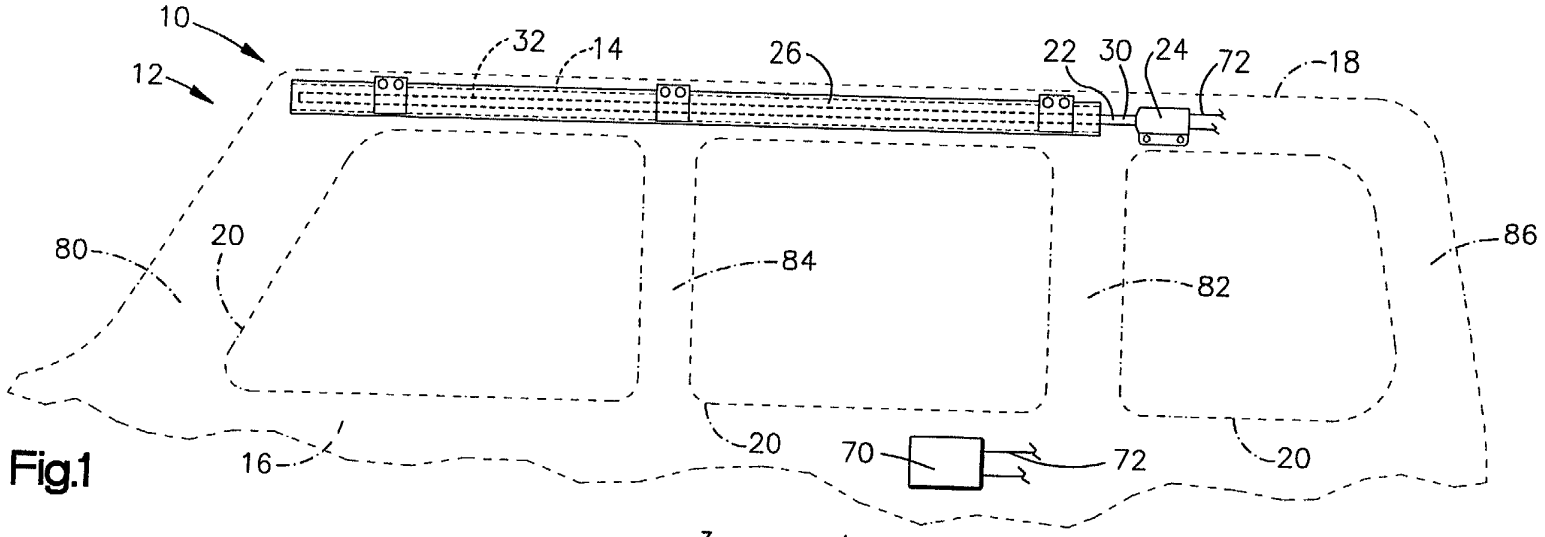

Fig.1

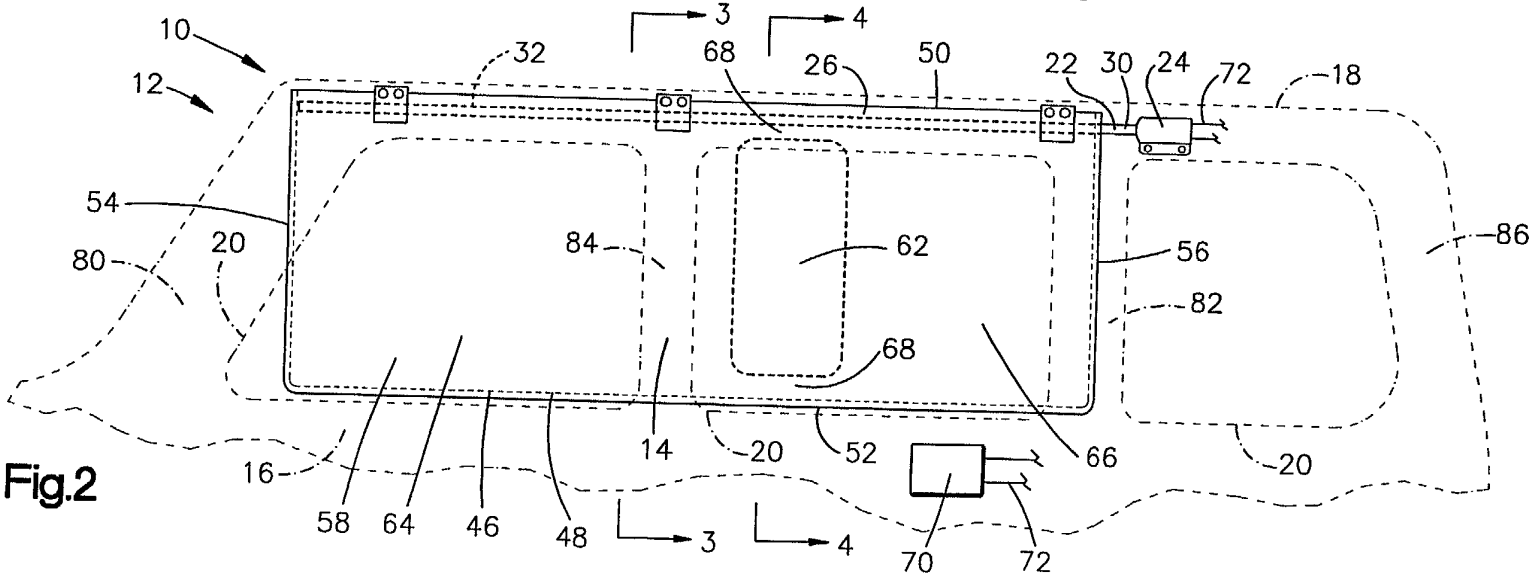

Fig.2

4719CI-1

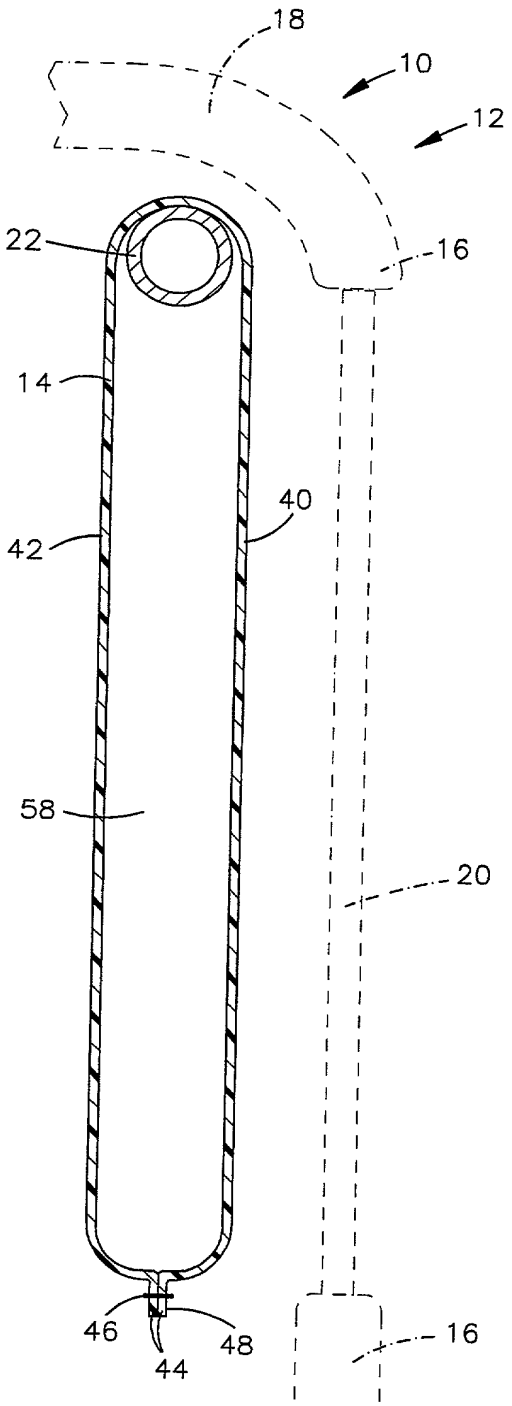
18
10
12
22
16
14
40
42
58
20
46
48
44
16

Fig.3

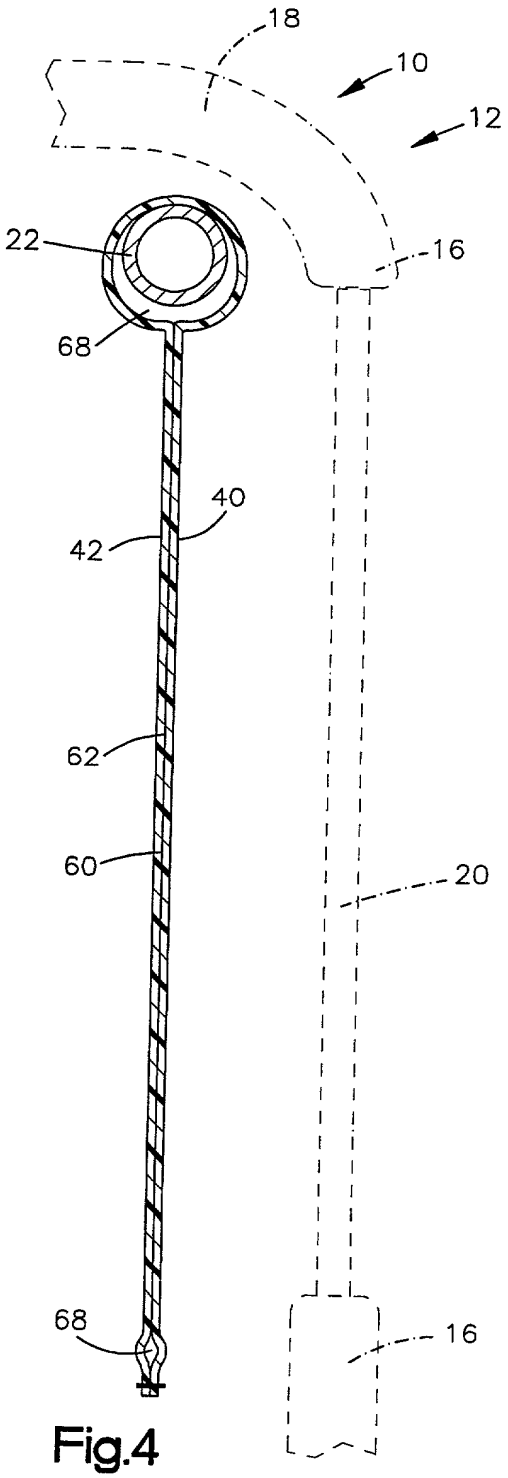
18
10
12
22
16
68
40
42
62
60
20
68
16

Fig.4

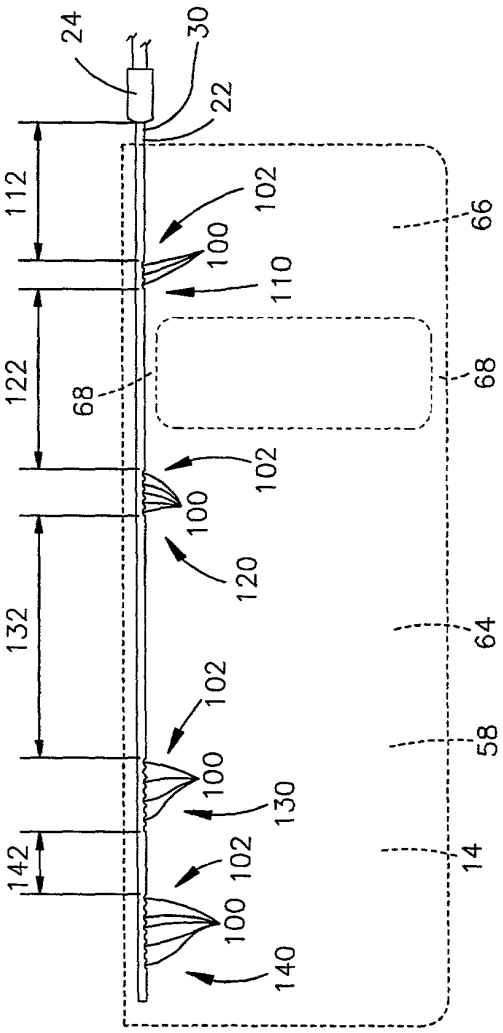
24
30
22
112
102
100
110
122
68
66
68
102
100
120
132
64
102
100
58
130
142
102
14
100
140

Fig.5

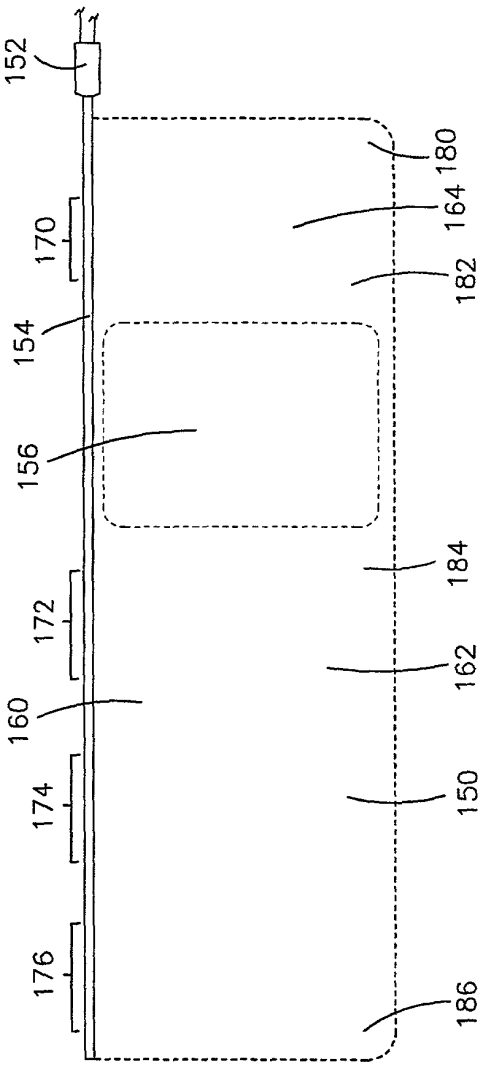
152
180
164
170
182
154
156
184
172
162
160
150
174
176
186

Fig.6

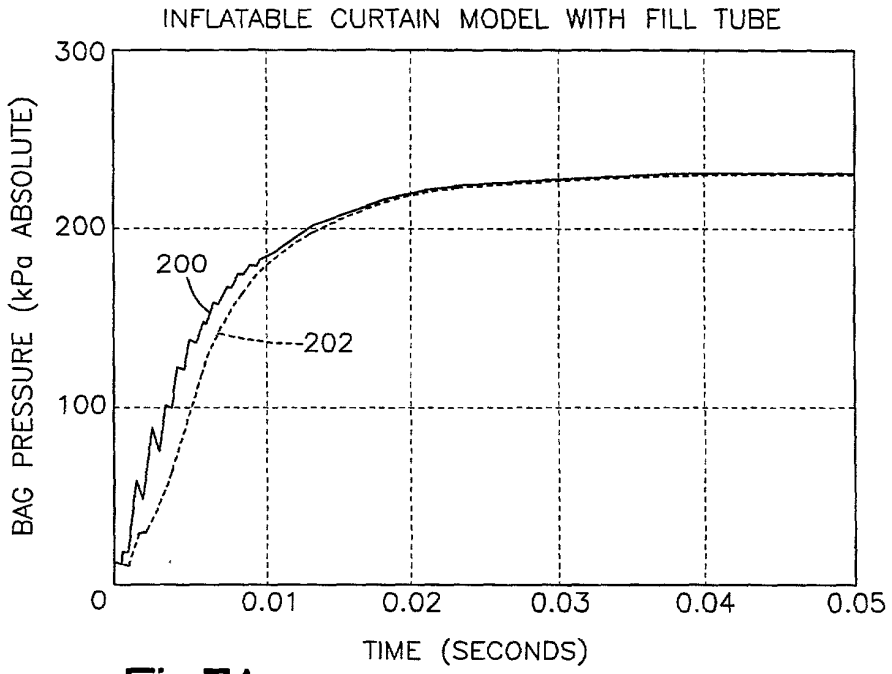
INFLATABLE CURTAIN MODEL WITH FILL TUBE
BAG PRESSURE (kPa ABSOLUTE)
300
200
100
0
200
202
0
0.01
0.02
0.03
0.04
0.05
TIME (SECONDS)

Fig.7A

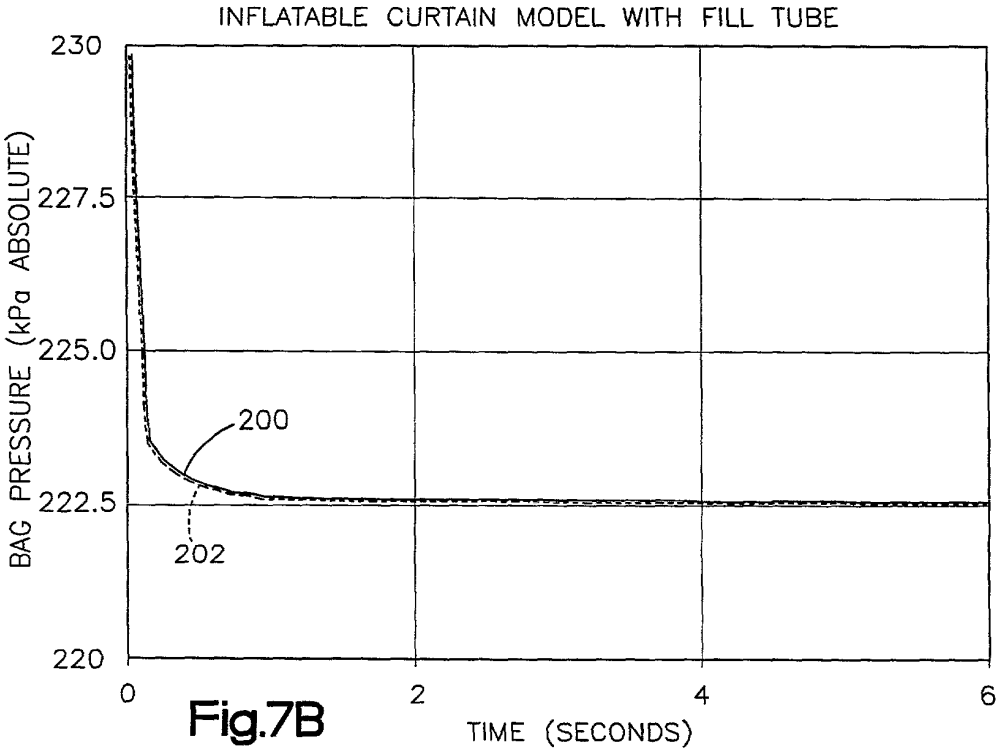
INFLATABLE CURTAIN MODEL WITH FILL TUBE
BAG PRESSURE (kPa ABSOLUTE)
230
227.5
225.0
222.5
220
200
202
0
2
4
6
TIME (SECONDS)

Fig.7B

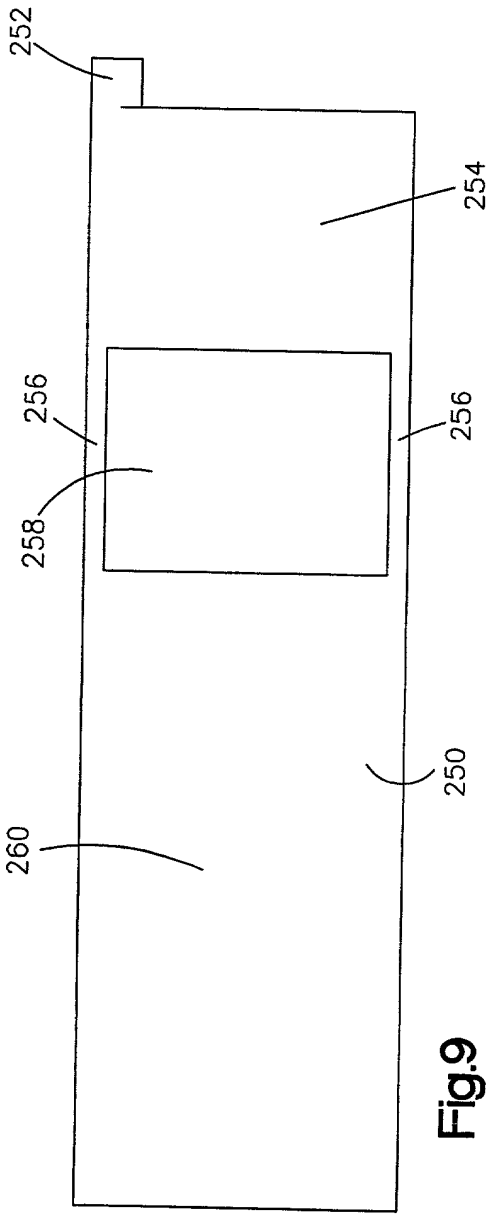

Fig.9

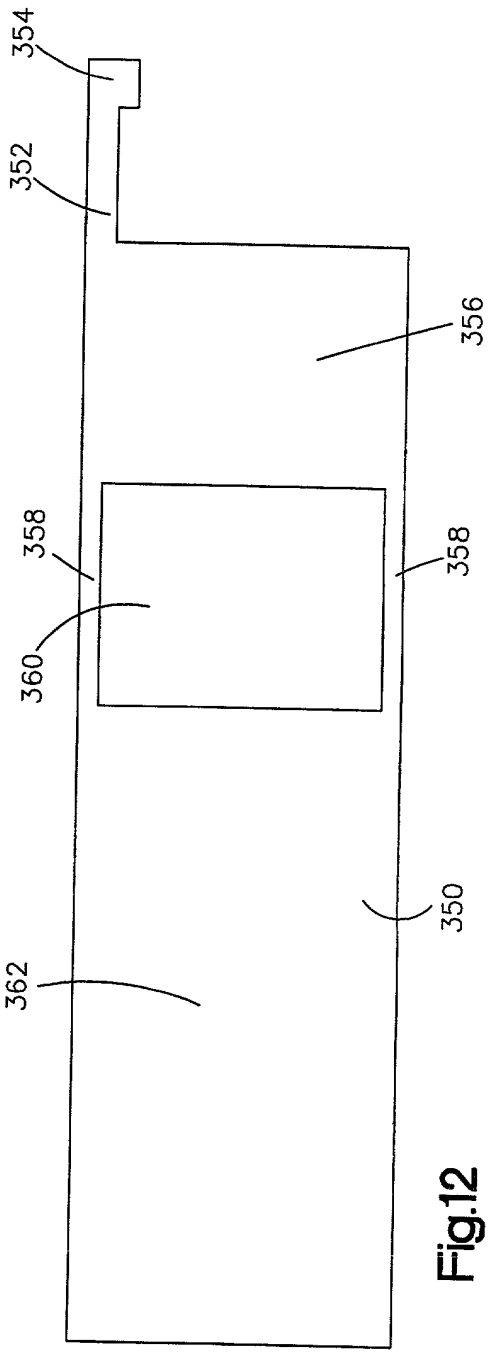

Fig.12

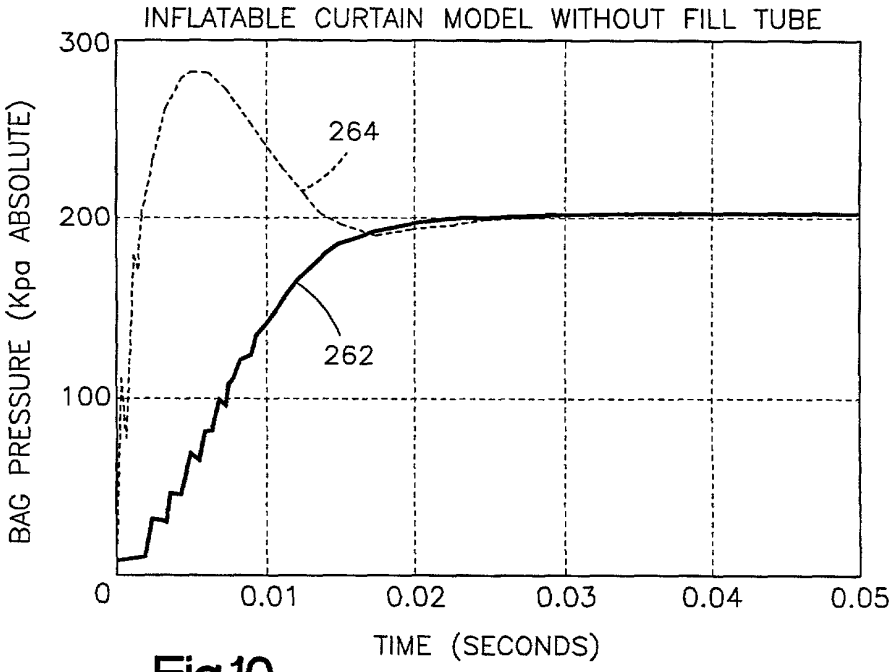
INFLATABLE CURTAIN MODEL WITHOUT FILL TUBE
BAG PRESSURE (Kpa ABSOLUTE)
300
200
100
0
264
262
0.01
0.02
0.03
0.04
0.05
TIME (SECONDS)

Fig.10

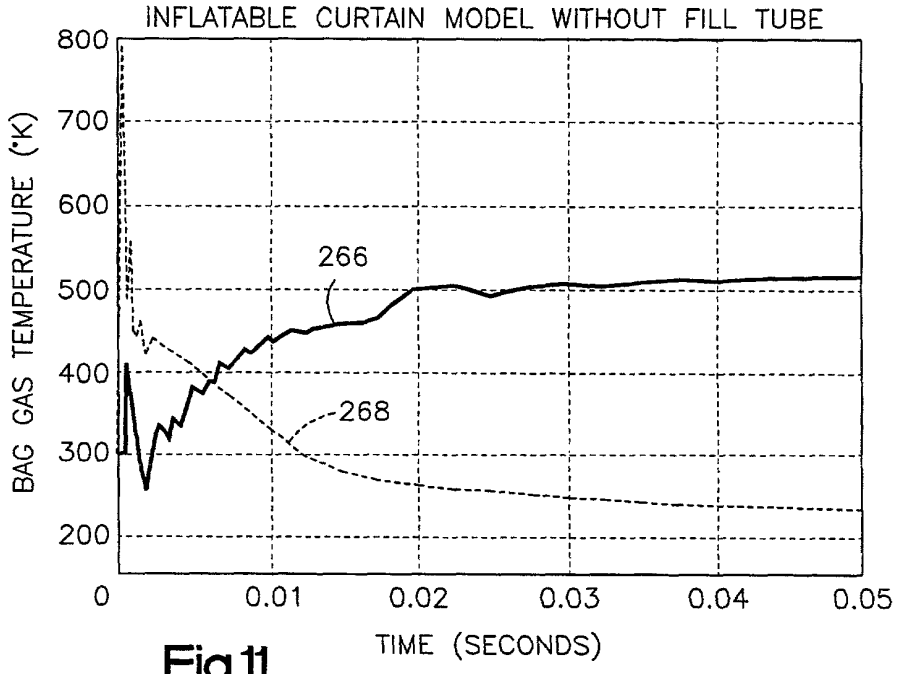
INFLATABLE CURTAIN MODEL WITHOUT FILL TUBE
BAG GAS TEMPERATURE (°K)
800
700
600
500
400
300
200
0
266
268
0.01
0.02
0.03
0.04
0.05
TIME (SECONDS)

Fig.11

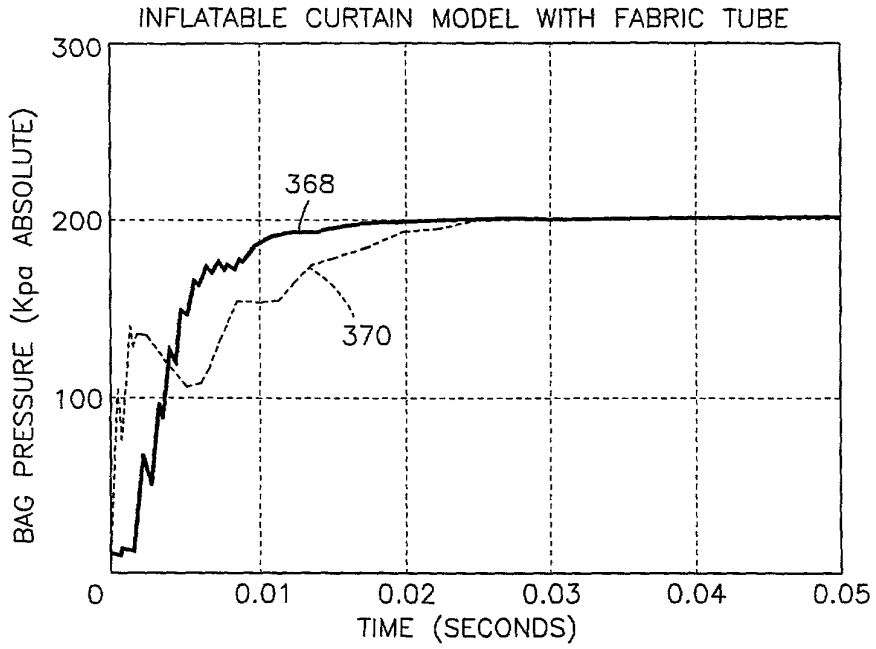
INFLATABLE CURTAIN MODEL WITH FABRIC TUBE
BAG PRESSURE (Kpa ABSOLUTE)
300
200
100
0
368
370
0.01
0.02
0.03
0.04
0.05
TIME (SECONDS)

Fig.13

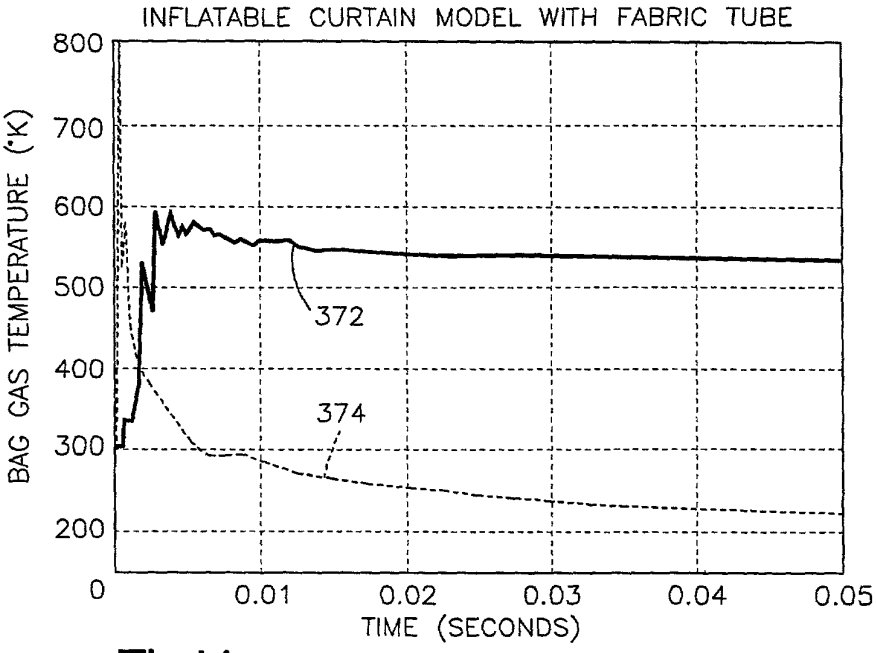
INFLATABLE CURTAIN MODEL WITH FABRIC TUBE
BAG GAS TEMPERATURE (°K)
800
700
600
500
400
300
200
0
372
374
0.01
0.02
0.03
0.04
0.05
TIME (SECONDS)

Fig.14

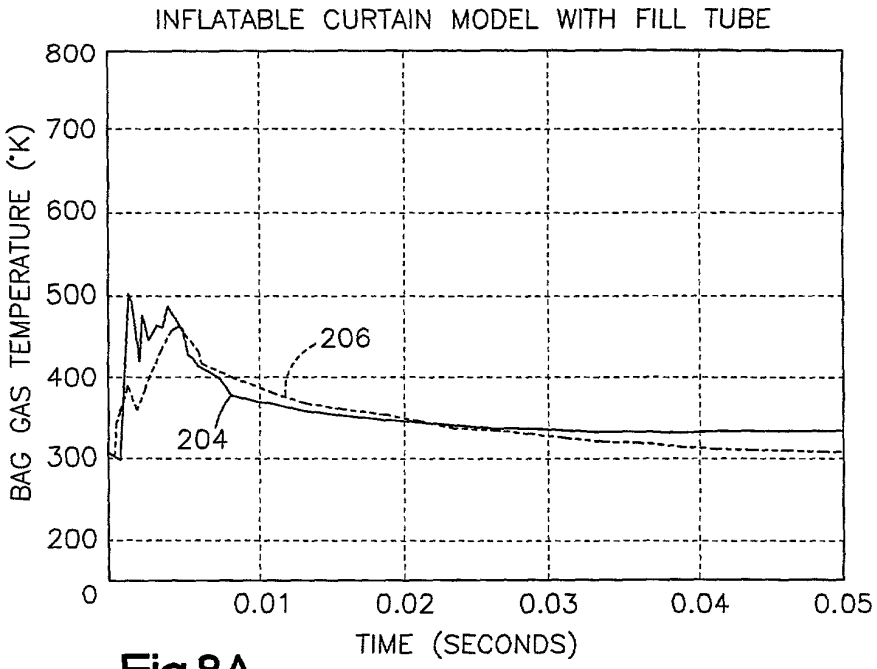
INFLATABLE CURTAIN MODEL WITH FILL TUBE
BAG GAS TEMPERATURE (°K)
800
700
600
500
400
300
200
0
206
204
0.01
0.02
0.03
0.04
0.05
TIME (SECONDS)

Fig.8A

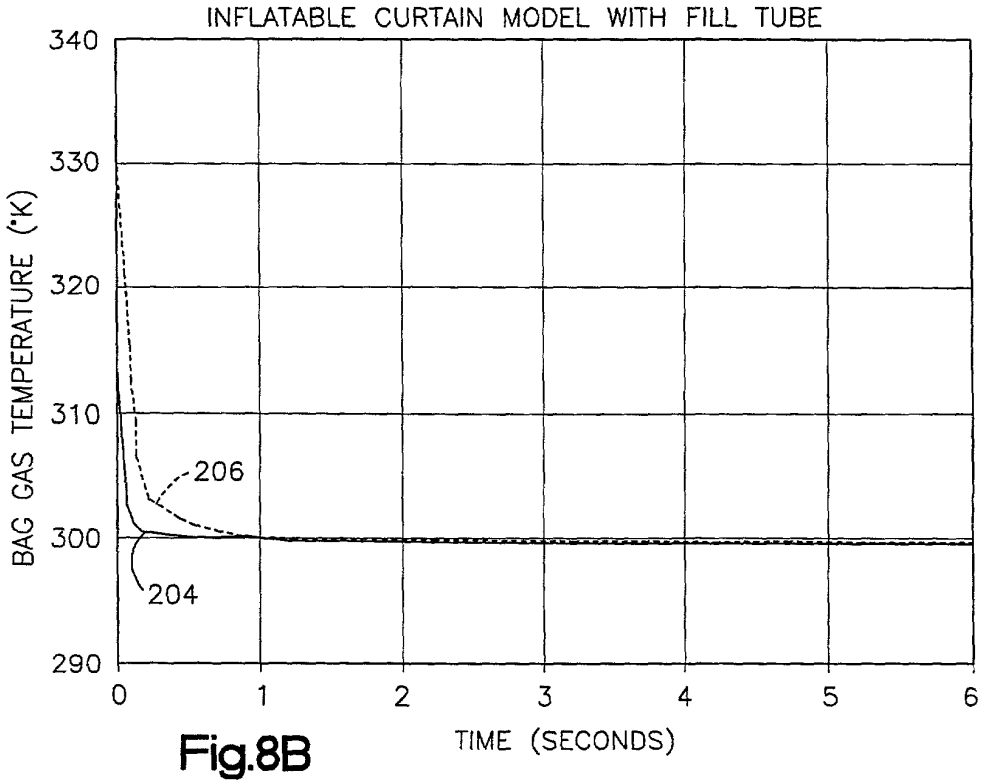
INFLATABLE CURTAIN MODEL WITH FILL TUBE
BAG GAS TEMPERATURE (°K)
340
330
320
310
300
290
206
204
0
1
2
3
4
5
6
TIME (SECONDS)

Fig.8B

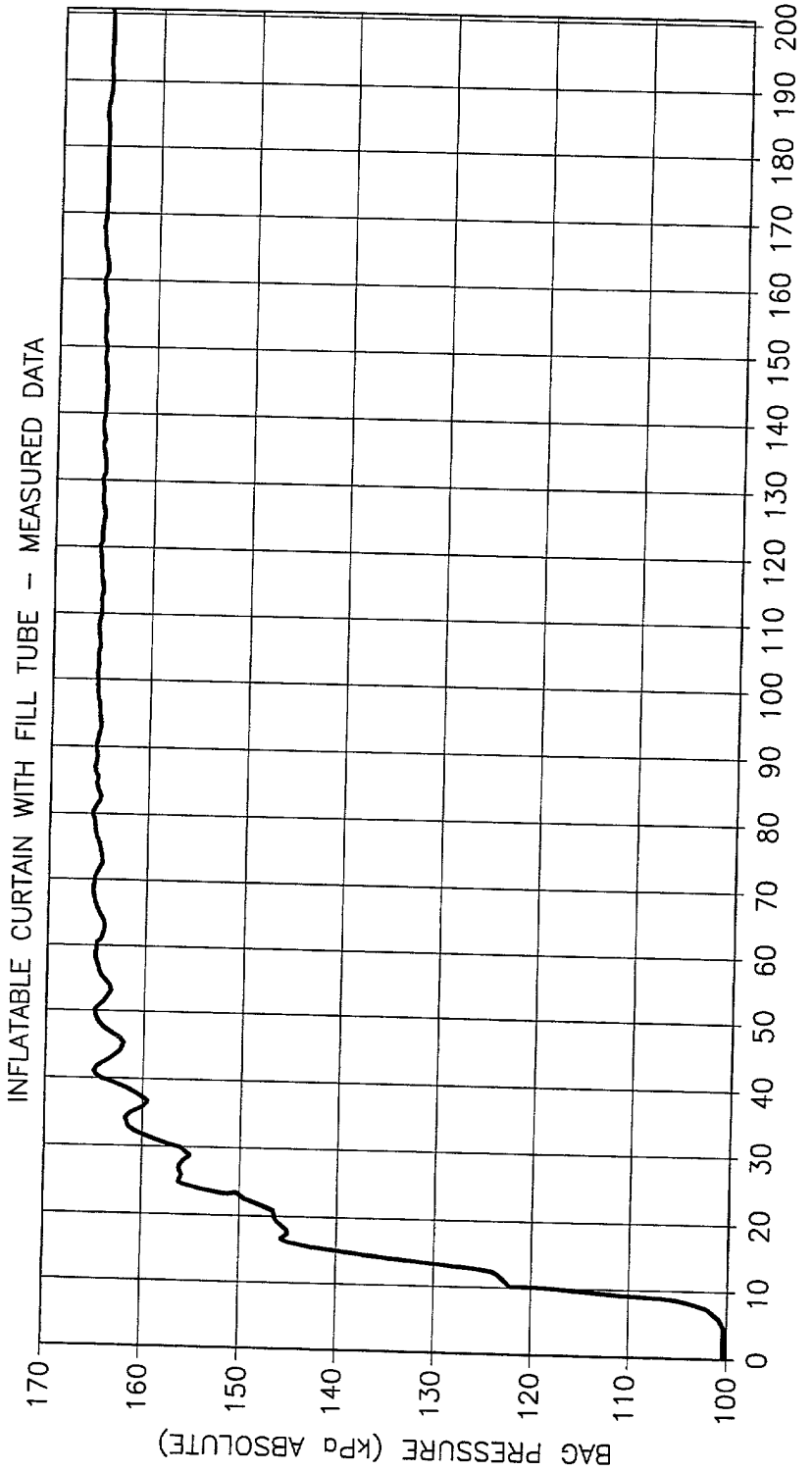
INFLATABLE CURTAIN WITH FILL TUBE – MEASURED DATA
BAG PRESSURE (kPa ABSOLUTE)
170
160
150
140
130
120
110
100
0
10
20
30
40
50
60
70
80
90
100
110
120
130
140
150
160
170
180
190
200
TIME (milliseconds)

Fig.15

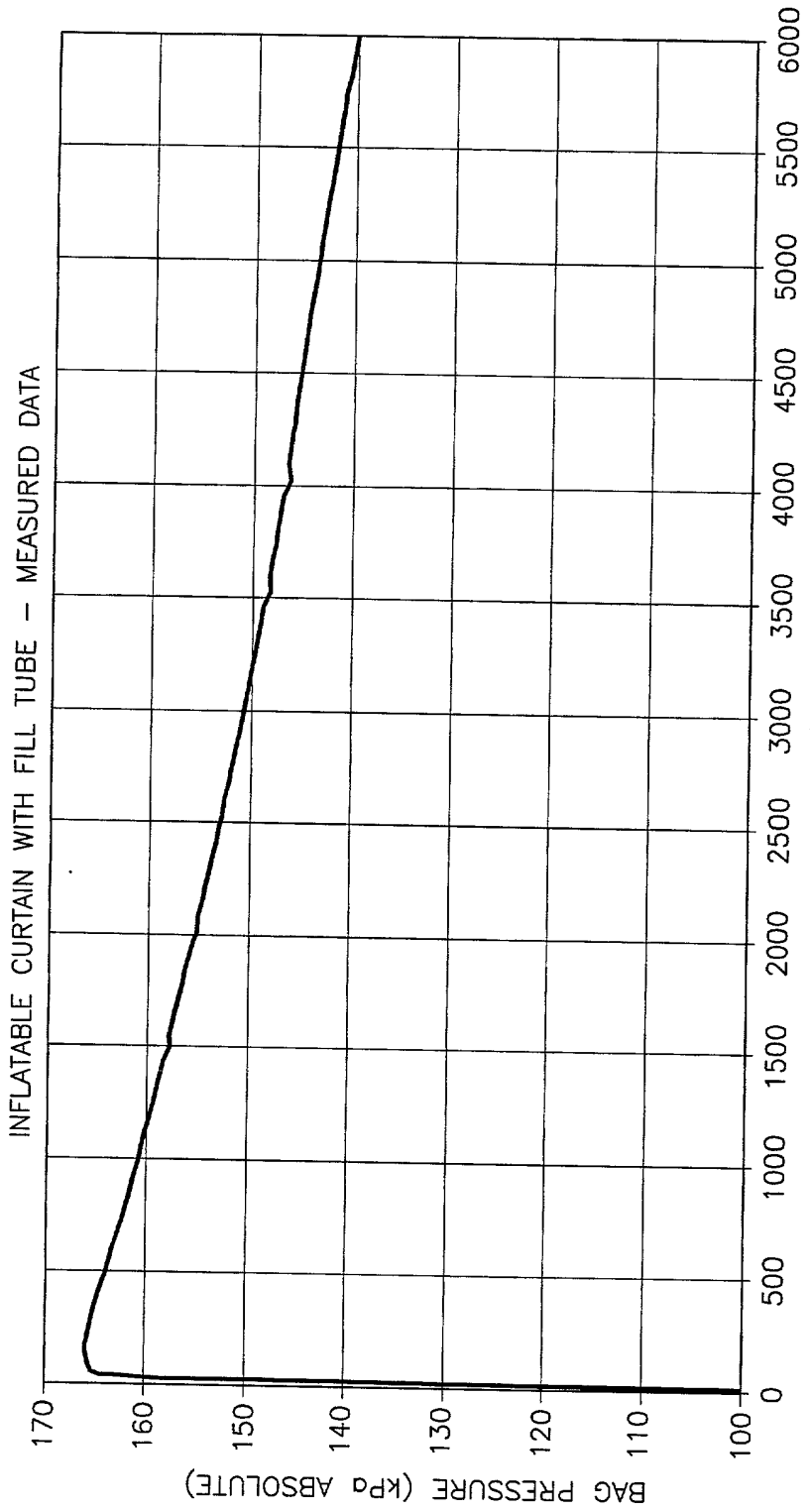
INFLATABLE CURTAIN WITH FILL TUBE – MEASURED DATA
BAG PRESSURE (kPa ABSOLUTE)
170
160
150
140
130
120
110
100
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
6000
TIME (milliseconds)

Fig.16

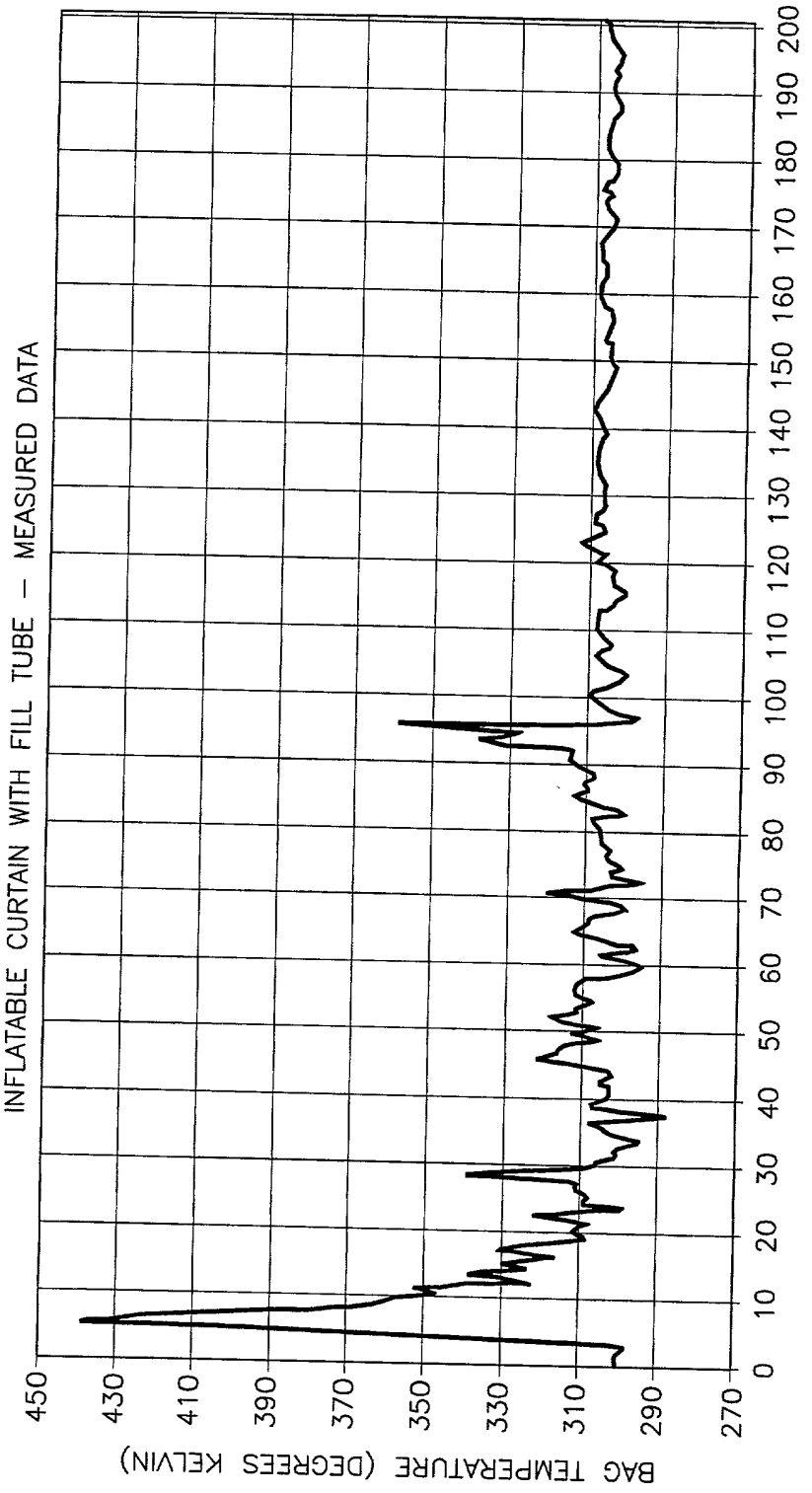
INFLATABLE CURTAIN WITH FILL TUBE – MEASURED DATA
BAG TEMPERATURE (DEGREES KELVIN)
450
430
410
390
370
350
330
310
290
270
0
10
20
30
40
50
60
70
80
90
100
110
120
130
140
150
160
170
180
190
200
TIME (milliseconds)

Fig.17

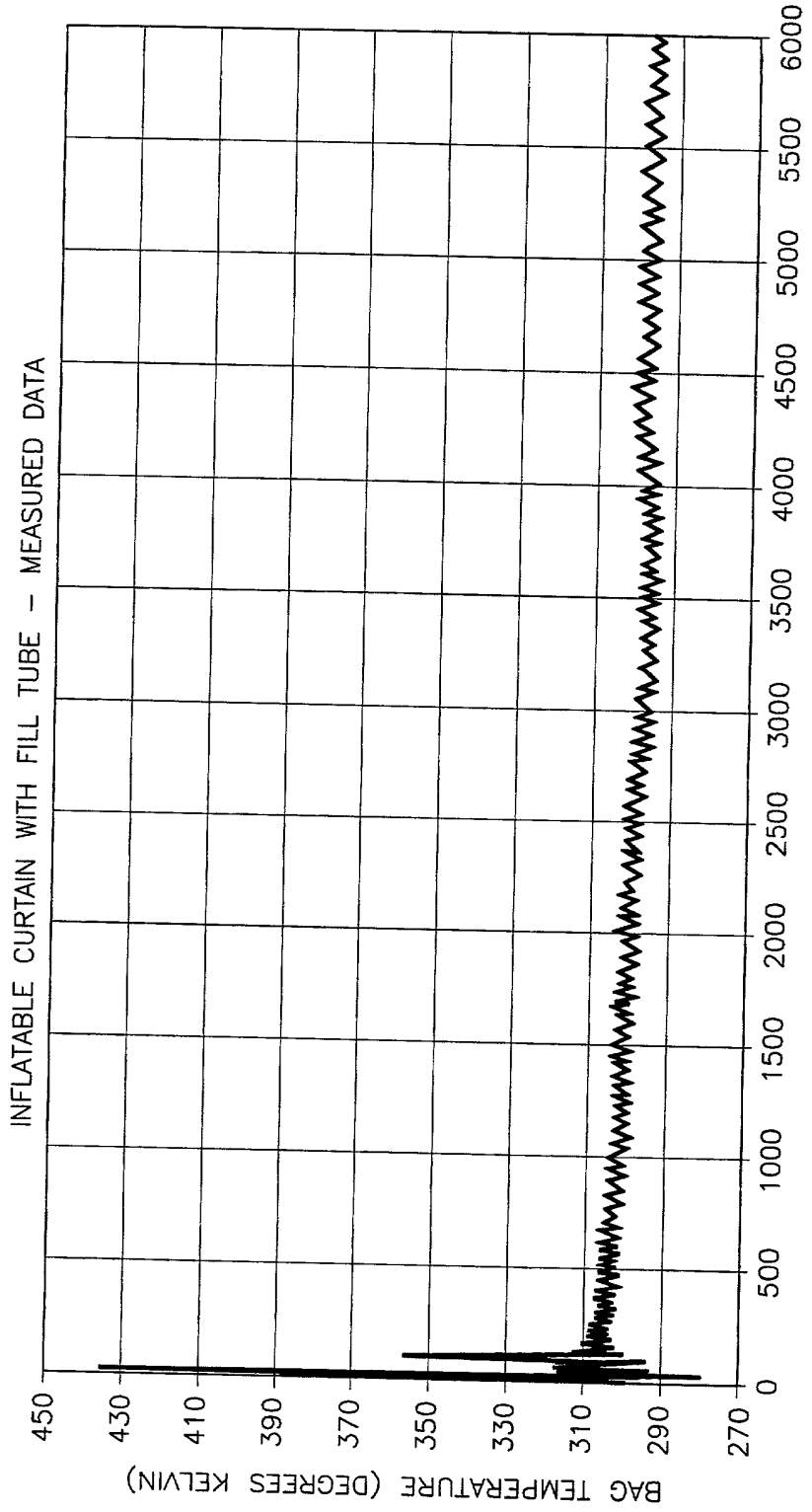
INFLATABLE CURTAIN WITH FILL TUBE - MEASURED DATA
BAG TEMPERATURE (DEGREES KELVIN)
450
430
410
390
370
350
330
310
290
270
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
6000
TIME (milliseconds)

Fig.18